

Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A method for creating at least a partially enclosed space and controlled environment within a preexisting structure, the enclosed space being based at least in part on structural elements of the preexisting structure comprising:

attaching at least one barrier sheet comprising a flexible polymeric film to a first surface of a first structural element of the preexisting space and attaching the one barrier sheet to a second surface of a second structural element of the preexisting space while at least partially covering an opening between the first and second surfaces for creating a barrier as part of an enclosure of a desired space with a controlled environment, said step of attaching at least one barrier sheet including using at least one barrier sheet that includes a holding system at least partially extending over a major surface thereof, wherein the holding system is present on the barrier sheet along at least an edge zone and an intermediate zone of the same major surface, so that the barrier sheet with the holding system is secured to at least one structural element at both the edge and intermediate zones.

2. (original) The method of claim 1, wherein the holding system comprises pressure sensitive adhesive that is provided onto the edge and intermediate zones of the same major surface of the barrier sheet.

3. (original) The method of claim 2, wherein a plurality of barrier sheets are attached to one another as well as to surfaces of at least one structural element for creating the barrier as part of the enclosure.

4. (original) The method of claim 3, wherein a plurality of barrier sheets are used in creating the barrier that have pressure sensitive adhesive at least partially covering a major surface thereof, wherein the pressure sensitive adhesive is present on the barrier sheets along at least an edge zone and an intermediate zone of the same major surface, so that the barrier sheets

with pressure sensitive adhesive are adhered to at least one structural element at both the edge and intermediate adhesive zones.

5. (original) The method of claim 4, wherein the plurality of barrier sheets with pressure sensitive adhesive are also attached to one another by at least a portion of the pressure sensitive adhesive of at least one of the barrier sheets.

6. (original) The method of claim 5, wherein at least one barrier sheet with pressure sensitive adhesive is adhered to more than one structural element of the preexisting structure.

7. (original) The method of claim 3, wherein the barrier sheet with pressure sensitive adhesive comprises pressure sensitive adhesive provided in a substantially uniform manner over the major surface thereof, and the step of attaching that barrier sheet to a structural element comprises adhering the barrier sheet to the available surface of the structural component substantially uniformly.

8. (original) The method of claim 7, wherein the barrier sheet with pressure sensitive adhesive is adhered to the available surface of the structural element by pressure sensitive adhesive that is provided on the major surface of the barrier sheet in a regular pattern.

9. (original) The method of claim 8, wherein the pressure sensitive adhesive is provided over more than 20% of the major surface of the barrier sheet.

10. (original) The method of claim 8, wherein the pressure sensitive adhesive is provided over more than 80% of the major surface of the barrier sheet.

11. (original) The method of claim 7, wherein the barrier sheet with pressure sensitive adhesive is adhered to the available surface of the structural element by pressure sensitive adhesive that is provided on the major surface of the barrier sheet as a layer substantially covering the major surface.

12. (original) The method of claim 3, wherein the barrier sheet is adhered to at least a portion of a temporary structure of the preexisting structure.
13. (original) The method of claim 3, wherein the barrier sheet is adhered to at least a portion of a permanent structure of the preexisting structure.
14. (original) The method of claim 3, wherein barrier sheets are combined together and attached to the preexisting structure to create with the preexisting structure a substantially contained and enclosed space.
15. (original) The method of claim 14, wherein at least a portion of one barrier sheet covers an open area of the preexisting structure.
16. (previously presented) The method of claim 14, comprising steps within a method for removal of physical material from the enclosed space, wherein at least a portion of the preexisting structure with undesirable physical material is not covered with barrier sheets so that physical material can be abated from the exposed preexisting structure.
17. (original) The method of claim 16, further comprising the step of removing physical material from the preexisting structure.
18. (original) The method of claim 17, further comprising the application of a negative pressure within the enclosed space during the removal step.
19. (original) The method of claim 1, comprising attaching a target material over at least a surface portion of a structural element and subsequently securing the barrier sheet to the target material by at least one portion of the holding system as provided extending along edge and intermediate zones of a major surface of the barrier sheet.
20. (original) The method of claim 19, wherein the target material includes a pressure sensitive adhesive for attaching to the surface of a structural element, and the holding system of

the barrier sheet comprises pressure sensitive adhesive within at least one of the edge and intermediate zones.

21. (currently amended) A method for the abatement of physical material from a preexisting structure comprising:
- a. providing a structure having at least one working surface of a first structural element bearing a physical material to be removed, and at least one non-working surface of a second structural element,
 - b. providing a barrier sheet comprising a flexible polymeric film and that includes a holding system provided to extend along portions of is at least partially covered on a major surface thereof, the holding system with removable pressure sensitive adhesive provided to extend at least along an edge zone and an intermediate zone of the major surface,
 - c. securing the holding system by contacting the adhesive of the barrier sheet to ~~at least the one non-working surface of the second structural element~~ and a non-working surface of at least one other structural element that is spaced from the second structural element, so that a layer of the barrier sheet is secured to ~~[[the]] plural non-working surfaces of the second structural element~~ to form an enclosure with the working surface of the first structural element to isolate a space to contain the physical material for subsequent removal.
22. (original) The method of claim 21, wherein the holding system comprises pressure sensitive adhesive that is provided onto the edge and intermediate zones of the same major surface of the barrier sheet.
23. (original) The method of claim 22, wherein a plurality of barrier sheets are attached to one another as well as to surfaces of at least one structural element for creating the barrier as part of the enclosure.
24. (original) The method of claim 23 in which the removable pressure sensitive adhesive is a substantially continuous coating.

25. (original) The method of claim 23 in which the non-working surface is at least one of a floor, a wall, or a ceiling.
26. (original) The method of claim 25 in which the non-working surface is a plurality of walls.
27. (previously presented) The method of claim 25 in which the non-working surface is a ceiling and the ceiling is not covered.
28. (canceled)
29. (original) The method of claim 26 in which the non-working surface is a floor.
30. (original) The method of claim 29 in which the floor is covered with a second film that comprises one of an adhesive coated sheet and a sheet at least partially covered with a removable pressure sensitive adhesive.
31. (previously presented) The method of claim 23 in which at least one barrier sheet has a major surface and at least 20% of its major surface is coated with the removable pressure sensitive adhesive.
32. (original) The method of claim 23 in which at least 80% of its major surface is coated with the removable pressure sensitive adhesive.
33. (original) The method of claim 23 in which the enclosure further includes a non-adhesive coated flexible plastic film.
34. (currently amended) An enclosure for isolating and containing physical materials comprising a structure having at least one working surface on a first structural element bearing a physical material to be removed, and ~~at least one~~ a plurality of non-working surfaces on a second ~~other~~ structural elements to which is secured a layer of a flexible barrier sheet that comprises a flexible polymeric film and includes a holding system extending over at least a portion of one of

its major surfaces at an edge zone and an intermediate zone, such that the working surface of the first structural element and the layer of barrier sheet extending between plural non-working surfaces together form at least part of the enclosure.

35. (original) The enclosure of claim 34 in which at least 20% of the major surface of the flexible plastic sheet is covered with removable pressure sensitive adhesive that comprises the holding system.

36. (original) The enclosure of claim 35 in which at least 50% of the major surface of the flexible plastic sheet is covered with the removable pressure sensitive adhesive.

37. (original) The enclosure of claim 35 in which substantially all of the major surface of the flexible plastic sheet is covered with the removable pressure sensitive adhesive.